

# CERTIFICATE OF ANALYSIS

Product Description 2,4-DICHLOROPHENOXYACETIC ACID  
SOLUTION (10 mg/mL); 2,4-D  
Product Number D309  
Lot Number HHW0309027  
Storage Temperature 2-8°C  
Molecular Weight 221.04  
Formula  $C_8H_6Cl_2O_3$   
CAS Number 94-75-7

## **Physiochemical Specifications:**

TEST	SPECIFICATION	RESULTS
Solubility	Miscible with Water	Passes
pH (Neat)	>10.0	Passes
Physical Appearance Color Texture	Colorless to Slight Yellow Tint Clear Liquid	Colorless Clear Liquid
Insolubles	None	Passes
Sterility	Sterile	Passes

## **Biological Testing:**

Test Concentration: 0.10 mL/L

TEST SPECIFICATION	PLANT CELL LINE	RESULTS
Supports and/or facilitates plant growth and/or callus formation in two or more plant tissue cultures with no morphological aberrations to plants	Perilla Fantasy	Passes
	Xanthi Tobacco Callus	Passes

The material described in this certificate was manufactured in the United States of America and is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

**PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.**

Date of Release: 26-April-2023

Recommended Shelf Life Date: April 2026



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